

## TOLLIP Monoclonal antibody

Catalog Number: 68170-1-Ig

Featured Product

## Basic Information

<b>Catalog Number:</b> 68170-1-Ig	<b>GenBank Accession Number:</b> BC012057	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54472	<b>CloneNo.:</b> 1B3C4
<b>Source:</b> Mouse	<b>Full Name:</b> toll interacting protein	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:400-1:1600 IF 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 30 kDa	
<b>Immunogen Catalog Number:</b> AG32731	<b>Observed MW:</b> 30 kDa	

## Applications

**Tested Applications:**  
FC, IF, IHC, WB, ELISA

**Species Specificity:**  
Human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** pig brain tissue, LNCaP cells, HepG2 cells, Jurkat cells, K-562 cells, human peripheral blood platelets, rabbit brain tissue, rat brain tissue, mouse brain tissue

**IHC :** mouse colon tissue, rat colon tissue

**IF :** U2OS cells,

## Background Information

TOLLIP (Toll interacting protein), is an inhibitory adaptor protein. Tollip is a negative regulator of IL-1R and Toll-like receptors signalling pathway, involved in inflammatory immune response and inhibiting IRAK1 phosphorylation and kinase activity (PMID:11441107, PMID:10854325, PMID:11751856). The TOLLIP-dependent selective autophagy pathway plays a role in clearance of cytotoxic polyQ proteins aggregates (PubMed:25042851).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

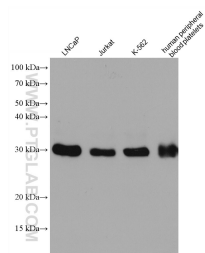
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

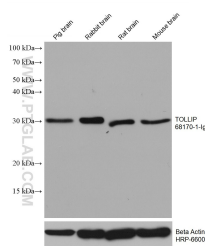
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

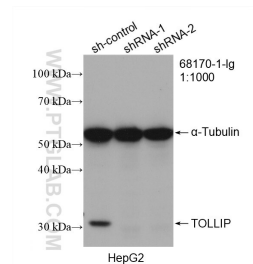
## Selected Validation Data



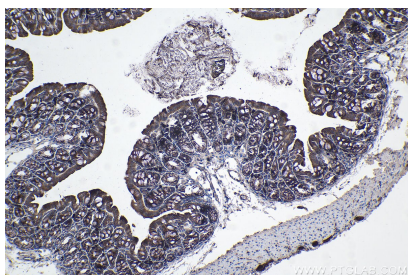
Various lysates were subjected to SDS PAGE followed by western blot with 68170-1-Ig (TOLLIP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



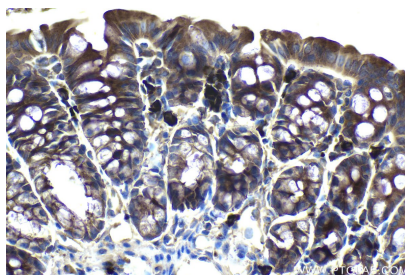
Various lysates were subjected to SDS PAGE followed by western blot with 68170-1-Ig (TOLLIP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



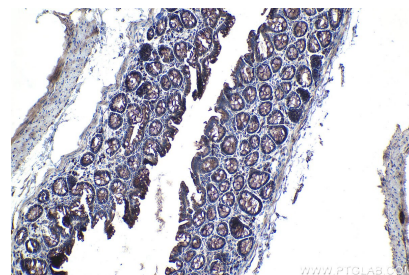
WB result of TOLLIP antibody (68170-1-Ig; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TOLLIP transfected HepG2 cells.



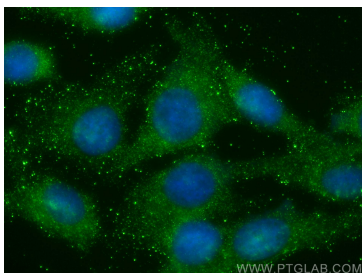
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 68170-1-Ig (TOLLIP antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



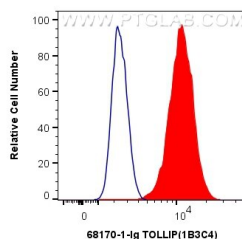
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 68170-1-Ig (TOLLIP antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat colon tissue slide using 68170-1-Ig (TOLLIP antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using TOLLIP antibody (68170-1-Ig, Clone: 1B3C4) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10<sup>6</sup> Jurkat cells were intracellularly stained with 0.4 ug Anti-Human TOLLIP (68170-1-Ig, Clone:1B3C4) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).